

Applicants : David W. Taylor et al.
Serial No. : 10/645,762
Page : 2

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the present application:

- 1 (currently amended): A navigation system for a vehicle comprising:
 - a vehicle-based telematics system operable to wirelessly communicate between the vehicle and a remote service provider;
 - a vehicle-based global positioning system operable to determine a geographic location of the vehicle;
 - a control, said telematics system being operable to receive a user input from a driver of the vehicle when the vehicle is at an initial geographic location, said user input comprising a destination address;
~~said telematics system operable to download directional information from the external service provider to said control while the vehicle is being driven along a road;~~
~~said vehicle-based global positioning system determining the initial geographic location of the vehicle and said telematics system determining a destination geographic location in response to said user input corresponding to said destination address;~~
~~said remote service provider determining a determined route between said initial geographic location and said destination geographic location;~~
~~said navigation system further comprising a vehicle-based control;~~
~~said telematics system being operable to download said directional information from the remote service provider to said vehicle-based control via said vehicle-based telematics system;~~
~~said downloaded directional information comprising at least two instructions on a said determined route between said initial geographic location and said destination geographic location, each of said at least two instructions being coded or associated with or linked to a respective waypoint geographic location determined by said telematics system-remote service~~

Applicants : David W. Taylor et al.
Serial No. : 10/645,762
Page : 3

provider to be on said determined route between said initial geographic location and said destination geographic location;

said vehicle-based control being operable to generate an information display visible to a driver of the vehicle, said information display corresponding to respective ones of said at least two instructions of said downloaded directional information, said information display being viewable by the driver of the vehicle at or near an interior rearview mirror of the vehicle, said control being operable to provide said information display only when the then current actual geographic location of the vehicle at least generally corresponds to the particular waypoint geographic location associated with said instructions; and

said vehicle-based control being operable to automatically generate a change in information displayed in response to the current actual geographic location of the vehicle being inconsistent with said determined route between said initial geographic location and said destination geographic location, said vehicle-based control automatically generating said change in information displayed without further communication with said remote service provider and without a further user input.

2 (previously presented): The navigation system of claim 1, wherin said control is operable to tag or code each of the instructions with a respective geographic location and is operable to only provide a particular one of the instructions when the respective geographic location tagged or coded to the particular instruction at least generally corresponds to the then current actual geographic location of the vehicle.

3 (previously presented): The navigation system of claim 1, wherin each of said at least two downloaded instructions is tagged or coded with or linked to a respective particular geographic location, said control being operable to only display a particular instruction when the respective geographic location tagged or coded or linked to the particular instruction at least generally corresponds to the then current actual geographic location of the vehicle.

Applicants : David W. Taylor et al.
Serial No. : 10/645,762
Page : 4

4 (currently amended): The navigation system of claim 1, wherein said user input comprises a vocal input from the driver or occupant of the vehicle to ~~at the remote service center-provider~~ associated with said vehicle-based telematics system.

5 (currently amended): The navigation system of claim 1, wherein said initial geographic location of the vehicle is communicated to ~~the remote service center-provider~~ via said vehicle-based global positioning system.

6 (original): The navigation system of claim 1, wherein said at least two instructions are provided by said control as an audible message.

7 (previously presented): The navigation system of claim 1, wherein said change in information displayed comprises at least one new instruction to one of (a) initiate a new user input to download new directional information and (b) direct the driver of the vehicle toward said destination geographic location.

8 (previously presented): The navigation system of claim 1, wherein said visible display is provided at the interior rearview mirror assembly of the vehicle.

9 (original): The navigation system of claim 7, wherein said visible display comprises at least one of a display on demand display element, a thin film transistor liquid crystal display element, a multi-pixel display element and a multi-icon display element.

10 (original): The navigation system of claim 1 including a seat adjustment system, said seat adjustment system being operable to adjust a seat of the vehicle in response to data received via at least one of said vehicle-based telematics system and said vehicle-based global positioning system.

Applicants : David W. Taylor et al.
Serial No. : 10/645,762
Page : 5

11 (original): The navigation system of claim 10, wherein said seat adjustment system is operable in response to biometric data pertaining to the occupant of the seat of the vehicle.

12 (currently amended): A method for providing navigational directions to a driver of a vehicle comprising:

providing a user input comprising at least a destination address;
accessing a remote source via a vehicle-based wireless communication system in response
to said user input;

providing-determining an initial geographic location of the vehicle via a vehicle-based global positioning system;

downloading local information from the remote source to a vehicle-based control of the vehicle via the wireless communication system ~~while the vehicle is driving along a road;~~

~~determining an initial geographic location of the vehicle and determining a destination geographic location in response to a user input corresponding to said destination address;~~

determining a route between said initial geographic location of the vehicle and said destination geographic location of the vehicle, said route comprising a plurality of intermediate geographic locations between said initial geographic location and said destination geographic location;

said downloaded local information comprising at least two driving instructions, each of the at least two driving instructions being associated with or linked to a respective particular waypoint geographic location determined by said ~~telematics system~~ remote source to be along said route between said initial geographic location and said destination geographic location;

providing a current geographic location of the vehicle to said vehicle-based control via said vehicle-based global positioning system;

providing an information display visible to a driver of the vehicle, said information display displaying information corresponding to respective ones of said at least two driving instructions, said information display being viewable by the driver of the vehicle at or near an interior rearview mirror of the vehicle, said information display being provided displaying

Applicants : David W. Taylor et al.
Serial No. : 10/645,762
Page : 6

information only when the then current geographic location of the vehicle at least generally matches the particular waypoint geographic location associated with or linked to the respective one of said at least two driving instructions; and

automatically generating a change in information displayed via said vehicle-based control in response to the current actual geographic location of the vehicle being inconsistent with said intermediate geographic locations of said route between said initial geographic location and said destination geographic location, wherein said vehicle-based control automatically generates said change in information displayed without further communication with said remote source and without a further user input.

13 (original): The method of claim 12 including associating or tagging or coding or linking each of the instructions with a respective particular geographic location.

14 (previously presented): The method of claim 12, wherein said change in information displayed comprises at least one new instruction to one of (a) initiate a new user input to download new directional information and (b) direct the driver of the vehicle toward said destination geographic location.

15 (previously presented): The method of claim 12, wherein providing an information display comprises providing an information display at a display at an interior rearview mirror assembly of the vehicle.

16 (previously presented): The method of claim 15, wherein providing an information display comprises providing an information display via at least one of a display on demand display element, a thin film transistor liquid crystal display element, a multi-pixel display element and a multi-icon display element.

Applicants : David W. Taylor et al.
Serial No. : 10/645,762
Page : 7

17 (previously presented): The method of claim 12, wherein providing an information display comprises audibly communicating each of said at least two driving instructions via at least one speaker of the vehicle.

18 (original): The method of claim 12 including:

providing data to a seat adjustment system of the vehicle via at least one of said vehicle-based wireless communication system and said vehicle-based global positioning system; and adjusting a seat of the vehicle in response to said data.

19 (original): The method of claim 18 including providing biometric data pertaining to an occupant of the seat to said seat adjustment system and adjusting the seat in response to said biometric data.

20 (currently amended): A navigation system for a vehicle comprising:

a vehicle-based telematics system operable to wirelessly communicate between the vehicle and a remote service provider;

a vehicle-based global positioning system operable to determine a geographic location of the vehicle; and

~~a control, said telematics system being operable to receive a user input from a driver of the vehicle, said user input comprising a destination address;~~

~~said telematics system being operable to download directional information to said control of the vehicle;~~

~~said global positioning system determining an initial geographic location of the vehicle and said telematics system determining a destination geographic location in response to said user input corresponding to said destination address;~~

~~said navigation system determining directional information along a determined route between said initial geographic location and said destination geographic location, said~~

Applicants : David W. Taylor et al.
Serial No. : 10/645,762
Page : 8

determined route comprising a plurality of intermediate geographic locations between said initial geographic location and said destination geographic location;

said directional information comprising at least two instructions along said determined route between said initial geographic location and said destination geographic location, said control being operable to tag or code or link each of the at least two instructions with a respective waypoint geographic location;

said navigation system further comprising a vehicle-based control;

said remote service provider downloading said directional information to said vehicle-based control of the vehicle via said telematics system;

said vehicle-based control being operable to provide an information display corresponding to respective ones of said at least two instructions only when the waypoint geographic location tagged or coded or linked to the particular instruction at least generally corresponds to the current actual geographic location of the vehicle determined by said vehicle-based global positioning system, said information display being viewable by the driver of the vehicle at or near an interior rearview mirror of the vehicle; and

said vehicle-based control being operable to automatically generate a change in information displayed in response to the current actual geographic location of the vehicle being inconsistent with said intermediate geographic locations of said determined route between said initial geographic location and said destination geographic location, said vehicle-based control automatically generating said change in information displayed without further communication with said remote service provider and without a further user input.

21 (original): The navigation system of claim 20, wherein said output comprises an audible message.

22 (previously presented): The navigation system of claim 20, wherein said change in information displayed comprises at least one new instruction to one of (a) initiate a new user

Applicants : David W. Taylor et al.
Serial No. : 10/645,762
Page : 9

input to download new directional information and (b) direct the driver of the vehicle toward said destination geographic location.

23 (previously presented): The navigation system of claim 20, wherein said visible display comprises a portion of the interior rearview mirror assembly of the vehicle.

24 (previously presented): The navigation system of claim 23, wherein said visible display comprises at least one of a display on demand display element, a thin film transistor liquid crystal display element, a multi-pixel display element and a multi-icon display element.

25 (original): The navigation system of claim 20, wherein said user input comprises a vocal input from the driver or occupant of the vehicle to a service center associated with said vehicle-based telematics system.

26 (previously presented): The navigation system of claim 20, wherein said initial geographic location of the vehicle is communicated to the service center via said vehicle-based global positioning system.

27 (original): The navigation system of claim 20 including a seat adjustment system, said seat adjustment system being operable to adjust a seat of the vehicle in response to data received via at least one of said vehicle-based telematics system and said vehicle-based global positioning system.

28 (original): The navigation system of claim 27, wherein said seat adjustment system is operable in response to biometric data pertaining to the occupant of the seat of the vehicle.